

CLAIMS

- 1- Security document (20, 30) having a contactless chip comprising a transponder (10) comprised of an electronic module (102) connected to an antenna (101) placed on a given surface of a first part (22, 31) of the document, said transponder being designed to communicate remotely via an electromagnetic coupling with a reader, characterized in that the security document also comprises a passive masking element (24) of said antenna, supported by a second part (21, 322) of the document, which can move relative to said first part, said masking element being capable of disturbing the coupling between the transponder and the reader for rendering the reading of the document impossible when said second part is in a predetermined position that corresponds to a closed position of the document.
- 15 2 – Security document as claimed in claim 2, in which the passive masking element (24) comprises a thin metallic layer of a given form, arranged in such a way that, when the document is in the closed position, said layer is facing all or part of the surface area covered by the antenna.
- 20 3- Security document as claimed in claim 2, in which the form of said layer is such that, when the document is in the closed position, said layer is facing all or part of the peripheral area of the surface area covered by the antenna.
- 25 4- Security document as claimed in one of claims 2 or 3, in which said thin layer is formed from a sheet of metallic material.
- 5- Security document as claimed in claim 4, in which said sheet is an aluminum sheet.
- 6- Security document as claimed in one of claims 2 or 3, in which said thin layer is formed by means of a screen printed conductive paste.
- 30 7- Security document as claimed in one of claims 2 to 6, in which said thin layer is directly supported by said second part of the document.
- 8- Security document as claimed in one of claims 2 to 6, in which said thin layer is formed on a support glued to said second part of the document.
- 35 9- Security document as claimed in claim 1, in which the passive masking area is formed from a lossy magnetic material.

10- Security document as claimed in claim 9, in which said material is a ferrite composite.

11- Security document (20) as claimed in one of the preceding claims, formed of a passport type book, with a set of interlinked elements, 5 including a front cover (21), a back cover (22) and one or more movable sheets (23), in which the first part and the second part of the document, respectively supporting the antenna (101) and the passive masking element (24), are formed of two separate elements of the document, such that the reading of the document is made impossible in the closed position of the 10 book.

12- Security document as claimed in claim 11, in which the antenna and the masking element are respectively supported by each of the covers of the book.

13- Security document as claimed in claim 11, in which the 15 antenna and the masking element are respectively supported by one of said covers and one of said movable sheets.

14- Security document as claimed in claim 11, in which the antenna and the masking element are respectively supported by one of the movable sheets and one of the covers or one of said other movable sheets.

20 15- Security document (30) as claimed in one of claims 1 to 10, formed of a card (31) and a protective case (32), in which, the antenna (101) of the transponder being supported by said card forming said first element, the passive masking element (24) is supported by the case forming said second element, such that the reading of the card is made impossible when 25 the latter is stored in the case.

16- Security document as claimed in claim 15, in which the case comprises two flaps (321, 322) that can be folded one over the other, a first flap (321) with a recess (323) in which the card (31) is designed to be inserted, the second flap (322) supporting the passive masking element (24), 30 such that the reading of the card is made impossible when the flaps of the case are folded one over the other.